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December 4, 2003

TO: Mr. Russell Hart, RPM  
United States Environmental Protection Agency  
Region V  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

FROM: Mr. David Curnock, PM, SECOR International Inc. *Due*

RE: **MONTHLY PROGRESS REPORT/MEMORANDUM**  
**Area 9/10 Remedial Design**  
**Southeast Rockford Groundwater Contamination Superfund Site**  
**Rockford, Illinois**

Copies: Mr. Thomas Turner, Regional Counsel, USEPA Region V  
Mr. Scott Moyer, Hamilton Sundstrand/United Technologies Corporation  
Ms. Kathleen McFadden, United Technologies Corporation  
Mr. Thomas Williams, PM, IEPA  
Mr. Terry Ayers, IEPA

**CURRENT MONTH PROJECT ISSUES/STATUS:** *(activities, meetings, deliverables, etc.)*

The pre-design field investigation and pilot testing field activities began in October 2003. These activities continued in November 2003. The investigation efforts were focused predominantly on the installation of monitoring wells and pilot test monitoring points on the Hamilton Sundstrand property.

All of the monitoring wells have been installed on the Hamilton Sundstrand property and the City of Rockford right-of-way on 23<sup>rd</sup> Avenue. These wells include the medium depth (screen interval from 80 feet to 100 feet below grade) and deep (screen interval from 120 feet to 140 feet below grade) monitoring wells located on the northern and eastern portions of the property. During the continuous soil sampling process prior to the installation of these medium and deep wells, no fine-grained lenses or partings were identified within the saturated profile. The terminal depth of the "deep" soil borings/monitoring wells was originally proposed in the work plan to be 150 feet below grade. The concept behind this terminal depth was the report of the potential presence of a significant silt layer existing from approximately 129 to 140 feet below grade in the vicinity of Area 9/10. Soil sampling tools met refusal at approximately 140 feet below grade and as stated, no silt layer had been encountered down to that depth. Upon installation of the monitoring wells, a fine sand was identified to be present at the 140 feet plus depth. Based on the geologic conditions present, it was determined in conjunction with the USEPA and in concurrence with the IEPA that 140 feet below grade was an adequate depth for these deep pre-design investigation monitoring wells.

## **MONTHLY PROGRESS REPORT/MEMORANDUM**

### **Area 9/10 Remedial Design**

#### **Southeast Rockford Groundwater Contamination Superfund Site**

**Rockford, Illinois**

**December 4, 2003**

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Although access issues had been negotiated to resolve for the property known as the Rockford Products parking lot located along 9<sup>th</sup> Street, south of the Hamilton Sundstrand facility, the final access agreement documents had not been received as of December 1, 2003. Contact with the attorney for Rockford Products indicated that the agreements had been executed by Rockford Products (lessee) and that the documents were in the hands of the owner (AMCORE Investment as Trustee) for execution. Based on receipt of the executed agreement in the first week of December, it is anticipated that remote sensing survey efforts (ground penetrating radar and electromagnetic survey) and the drilling of the off-site monitoring wells and soil borings on the Rockford Products parking lot area will be undertaken and completed in December.

The USEPA has been engaged in the process of obtaining access to the property along 11<sup>th</sup> Street to the south of the Hamilton Sundstrand facility (2525 11<sup>th</sup> Street) formerly occupied by Nylint and currently owned by DRB Buildings. As access negotiations appeared to stall, SECOR requested assistance from the USEPA in this matter. Contact by the USEPA has resulted in some activity which will elicit an access agreement for this property. At this time, it has been indicated that an agreement should be executed by DRB Properties by December 10, 2003. This issue will be monitored and the USEPA kept abreast of the situation.

Pilot testing activities were also undertaken during November with respect to the installation of the monitoring, vacuum, and sparge points for the performance of the air-sparge and soil vapor extraction tests. Only the vapor extraction portion of the pilot test was performed in late November. The combination air sparging enhanced with vapor extraction is to be performed in December.

#### **FUTURE PROJECT ISSUES/STATUS:** *(activities, meetings, deliverables, etc.)*

The field work (pre-design investigation and pilot testing) is continuing. As off-site access issues are managed, the remaining soil boring and monitoring wells will be installed. Once all wells have been installed and properly developed, groundwater samples will be collected. Pilot testing field activities will be completed in December with the combination air sparging enhanced with vapor extraction being performed.

#### **SAMPLE/TEST DATA SUBMITTALS:**

Raw analytical laboratory results for most soil samples collected during October and November for the pre-design investigation activities have been included with this submittal. This data package is comprised of a table/list of the various samples and their respective analyses followed by the individual data report packets. As these data have only recently been received, they have not been subjected to data evaluation/validation.

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### **RD SCHEDULE UPDATE:** *(attach updated schedule as necessary)*

The field sampling activities associated with the pre-design investigation began in late October 2003 and continued through November. Additional activities are planned for December. Some of these activities are based on the resolution of off-site access issues. It is anticipated that these access issues will be resolved during the first weeks of December 2003. All field pilot testing activities should be completed by the end of December 2003. Field sampling activities may extend into January 2004 (groundwater sampling) based on access resolution.

### **REALIZED/ANTICIPATED PROBLEM CONDITIONS:**

Access to 2525 11<sup>th</sup> Street has been slow in coming. The USEPA has been asked to assist Hamilton Sundstrand in securing access to this property. It appears progress is being made in resolving this issue.

### **PERSONNEL CHANGES:**

None.